

## **ABSTRACT**

*The number of vehicles is clear evidence of the increasing density of DKI Jakarta streets, ranging from motorbikes, cars, to buses. Of the four types of vehicles, two-wheeled vehicles are the most numerous. The density of Jakarta makes people, especially workers who usually use conventional vehicles, switch to using electric vehicles. Employees who work in the city center are residents who live on the outskirts of the city. An emerging trend is an E-Bike or more popularly known as an electric bicycle that is used to travel and become a new lifestyle. The design of the E-Bike comes with a dual purpose, namely it can be used like a regular bicycle using pedals and can be used like a motorcycle using a throttle. Include some additional features such as storage and ride modes. With the convenience provided, it is hoped that it can change the lifestyle of employees who use conventional private vehicles to use environmentally friendly vehicles. The design of the Katalis Klaavi electric bicycle uses mix methods. Data collection techniques through observation, interviews with the people of Jakarta and literature review. The results of data analysis, obtained that the Klaavi Katalis electric bicycle can support employee mobility.*

*Keywords: E-Bike, Electric Vehicle, Jakarta, Trend*